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FIELD SERVICE AND SUPPORT

ACTIVITY REPORT NO. 20

1 September through 30 September 1960

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I. INTRODUCTION

This report describes the September 1960 activity for Contracts A-102 and HF-CT-699.

II. CONTRACT A-102

A. General Discussion

The sustaining or project engineering efforts are being limited to direct responses to headquarters' requirements. There is a considerable backlog of problems and correspondence from the field that is being given attention on a "time available" basis by the skeleton project engineering staff. The backlog of sustaining engineering projects, in their order of priority, is listed as follows:

1. Program to evaluate System-3 05 Board Specifications used by Production (Customers A and C)
2. 
3. Program to expand specifications for System-3 Receiver and Recorder
4. Traveling Wave Tube Test Procedure and Production Specification
5. Information Recorder Motor Noise and Flutter
6. "E" Rack Modification to improve frequency readout
7. IF Test Jig Modification to reduce 2nd and 3rd L.O. Loading
8. "F" Rack Modification to improve timing accuracy
9. Adjustment of screen voltage of reactance-modulator to shorten return interval, Reactance-Modulator, Third Local Oscillator, System 3
10. Field Service Bulletin to increase the voltage level of System 3 receiver gates
11. System 3 RF Boards (02B, 02C, 02D) Band 1-4 L. O. Injection Level

The above projects originated from Customer requests, analysis of field problem reports, failure reports, and analysis of equipment failures discovered in the Contractor's laboratory.

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B. Activity Related to Customer A

1. Sustaining Engineering

a. System-3 Third Local Oscillator Test Specifications

With the completion of test specifications for capsule Z1819, the first phase of the review of Third Local Oscillator component tolerances was concluded. The second phase, review of test specifications for the entire Third Local Oscillator board, is now in progress.

b. System-3 Test Specifications

The first part of a System-3 test specification evaluation program included an examination of all receiver specifications for accuracy and completeness. This portion of the program was completed with the issuance of a new and superceding System-3 Test Specification (No. 500357) which will improve the performance of all receivers leaving the Contractor's facility.

The second part of the evaluation, now in process, consists of an examination of Information Recorder test specifications.

c. Special Request for Proposal

Early in September a verbal Request for Proposal was received from a Government organization. A "need to know" 25X1A appeared to be a requirement before the requested data could be furnished. Consequently, on 8 September 1960, [REDACTED] 25X1A [REDACTED] visited Customer-A Headquarters to coordinate a visit to Fort Meade, Maryland, on the following day. The requested proposal is now in preparation, and copies will be submitted to Customer A in mid-October.

d. Customer-A Liaison

On 12 September, personnel from Customer-A's local test site visited the Contractor's facility for a technical

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25X1A

25X1A

conference on equipment status. On 27 September [REDACTED] and [REDACTED] made a trip to the test site for further technical liaison.

On 21 September, the new Customer-A Chief of Security visited the Contractor's facilities.

During the month several meetings were held between the airframe manufacturer and the Contractor to discuss the technical problems associated with simultaneous operation of Systems 3, 6 and 7.

2. Repair and Retrofit

a. Inventory

The Repair and Retrofit Inventory for September is listed in Table 1.

b. Information Recorder Repair

Seven Information Recorders (MP 10737 and MP 12570), received from the Customer-A Depot on 30 September, will be processed for rapid return. The target date for completion of the last recorder is 30 October 1960.

C. Activity Related to Customer C

1. Sustaining Engineering

Test specifications for the Third Local Oscillator and System 3 are projects common to Customer C and Customer A. For detailed information, see paragraphs A.1.a and A.1.b.

2. Repair and Retrofit

The Repair and Retrofit Inventory for September is listed in Table 1.

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D. Activity Related to Customer D

1. Sustaining Engineering

a. Improved Recorder Reliability

On 21 September a letter was submitted to Customer D requesting approval of Engineering Change Proposal 9AC, "Modification of Information Recorders, MP 10737 and MP 12570, Replacement of Oilite Bearings with Ball Bearings."

b. Customer-D Liaison

The airframe manufacturer requested engineering data concerning cabling which they are fabricating for use with the Information Recorder. Photographs and other required engineering data were supplied on 27 September.

c. Technical Information Bulletin

During September, Technical Information Bulletin No. 46D was published for Customer D.

2. Repair and Retrofit

The Repair and Retrofit Inventory for September is listed in Table 1.

III. CONTRACT HF-CT-699

The Call Contract Inventory for September is listed in Table 2.

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TABLE 1

REPAIR AND RETROFIT INVENTORY FOR SEPTEMBER 1960

Customer	Rework Units Outstanding on 9-1-60	During September			Rework Units Backlog on 9-30-60
		Units Received	Units Shipped	Units Nonreparable	
A	15	90	7	0	98
C	14	4	5	0	13
D	0	16	0	0	16

TABLE 2

CALL CONTRACT INVENTORY FOR SEPTEMBER 1960

Customer	Unit Backlog on 9-1-60	Requested During September			Units Delivered in Sept.	Unit Backlog on 9-30-60
		Production Lists	Total Line Items	Total Units		
A	108	1	1	1	33	76
C	353	3	23	215	343	225
D	125	6	6	6	1	130

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